Approved_For Release 2002/10/30 : CIA-RDP81B00879R001000020010-2

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OXC - 0333

		25 February 1960
MEMORANDUM FOR THROUGH SUBJECT 1.	: Deputy Director (Plans) : Acting Chief, DFD : CKCART Status as of 24 February 1960	BECUMENT ES. 70 25X1
from original support.	is biggest problem now unresolved. ME inal inal is as accurate as ME system by	ut twice size and weight;
this Flow APCS and produ per month than adapting these exc for camer flight te	third less accurate and 30% heavier that have been asked to get price quote from e for MH since MH price is still well absolute and stability augmentation: is lower in price than expected by IAC. the development charges have been reduction of 12 units is estimated at just unduring initial field tests. IAC insist tive for the reason that the adaptive sy "They have not indicated that the augmentations have been calculated to see if the stability requirements. Although MH has there is much more experience in line of For Release 2002/10/30. CIA-RDP81B00879R	despite their 25X1 ove preliminary estimates By drawing heavily on ed. Price for development nder 25X1 s on linear system rather stem is constantly litudes and periods of they are in fact too large save an adaptive system in tar systems. The linear

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system requires estimates of aircraft stability derivatives to allow initial design of the system. These estimates are verified later by wind tunnel tests and still later in flight tests. If initial estimates and/or w/t data are in serious error with flight test results costly and untimely redesign is necessary.

In this design this is a danger since the supersonic earcelestic problems are compounded by the thermoelastic severity. However, MR claim they can produce successfully on time.

3. J-58 engine:

Magine development is technically healthy but afflicted with a few administrative baccilli. The fuel additive experiments are estimated to cost about through next July, when the system should be definable.

P & W had planned on a system with many redundant control over many variables.

believes a flow control sensitive to gas temp. is the only control needed. P & W are reviewing LAC estimates of AB optimization points and hope to produce a fractional percentage better afc. Fuel developments indicate we can count on 19,000 - 19,100 BTU/lb.

P & W have a few other fractional percentages better performance in the sleeve as insurance not yet disclosed to LAC.

The extent of activity at W. Palm Beach is causing speculation and drawing attention. The J-58 cover application is wearing thin with declining AP interest in B-58C.

4. Camera:

FL and FE 18" but they have been urged to try for an increase.

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Jim Baker is reluctant to comment comparatively but EK have discussed their proposal with Din Land and he may be less reticent. This decision seems to reduce to the desirability of carrying EK further as a fall back in the unhappy event the PE become plagued with "C" camera type difficulties.

5. A-12 spec:

Latest performance estimates agree with data given by LAC 21/22 Jan. Our estimates differ in detail (e.g. amount of fuel used in climb) but not in overall altitude distance profile without taking account of reduced gravitational attraction at altitude and centrifugal lift. The thinnest point is fuel reserve at second refuelling. There is no margin for a mistake here.

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6. BOB query:

Mr. Macy questioned our right to proceed without further White House review. Mr. Dulles' letter to BOB, being circulated for coordination, assures Mr. Macy that no further review at that level was needed.

7. Convair close-out:

To what extent if any should any Convair people be knowledgeable?

SIGNED

Distribution:

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Attachments:

Three sketches

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